1829	205/118,122,123,125.ccls.	USPAT;	Time stamp 2003/03/20
		US-PGPUB;	11:57
		EPO; JPO;	
		DERWENT	
267	205/118,122,123,125,ccls, and (barrier or damascene)		2003/03/20
- '		1	11:57
		1	12.07
790	205/118 122 123 125 cele and conner		2003/03/20
7 90	2007 110,122,123,123.003. and copper	i i	11:57
			11.57
	·	i	
202	/20E /410 122 122 12E   L.     //   :		0000 (00 (00
202			2003/03/20
		1	11:57
	copper)	I .	
	//05 //0 /00 /05 /05 /05		
109	···		2003/03/20
		US-PGPUB;	12:01
	copper)) and (current adj density)	EPO; JPO;	
		DERWENT	
21	(((205/118,122,123,125.ccls. and (barrier or	USPAT;	2003/03/20
	damascene)) and (205/118,122,123,125.ccls. and	US-PGPUB;	16:40
	copper)) and (current adj density)) and ((complexing	EPO; JPO;	
49	•	USPAT:	2003/03/20
	·		12:17
			12.27
		i i	
39	(205/118 122 123 125 ccls and damascene and		2003/03/20
<b>3</b> 7		•	12:34
	• • • • • • • • • • • • • • • • • • • •		12.54
	•		
		DERWENT	
	• •		
400	**		
433	205/118,122,123,125.ccls. and (current adj density)		2003/03/20
			12:34
1			
		DERWENT	
384	(205/118,122,123,125.ccls. and (current adj density))	USPAT;	2003/03/20
[	not (205/118,122,123,125.ccls. and damascene and	US-PGPUB;	12:35
İ	(current adj density))	EPO; JPO;	
		DERWENT	
24	((205/118,122,123,125.ccls. and (barrier or	USPAT;	2003/03/20
	damascene)) and (205/118,122,123,125.ccls. and		14:50
196	205/118,122,123,125.ccls. and copper and barrier	USPAT;	2003/03/20
	=	JUI 711,	1 2000/00/20
		US-PEPLIE.	14:51
		US-PGPUB; EPO; JPO;	14:51
	49 39 433 384	205/118,122,123,125.ccls. and (barrier or damascene)) and (205/118,122,123,125.ccls. and (barrier or damascene)) and (205/118,122,123,125.ccls. and copper)  109 ((205/118,122,123,125.ccls. and (barrier or damascene)) and (205/118,122,123,125.ccls. and copper)) and (current adj density)  21 (((205/118,122,123,125.ccls. and (barrier or damascene)) and (205/118,122,123,125.ccls. and copper)) and (current adj density)) and ((complexing adj agent) or EDTA or "na.sub.2edta" or "na.sub.2 edta")  49 205/118,122,123,125.ccls. and damascene and (current adj density)  39 (205/118,122,123,125.ccls. and damascene and (current adj density)) and ((((205/118,122,123,125.ccls. and (barrier or damascene)) and (205/118,122,123,125.ccls. and (complexing adj agent) or EDTA or "na.sub.2edta" or "na.sub.2 edta"))  433 205/118,122,123,125.ccls. and (current adj density)  44 ((205/118,122,123,125.ccls. and (current adj density)) not (205/118,122,123,125.ccls. and (current adj density))  24 ((205/118,122,123,125.ccls. and (barrier or damascene)) and (205/118,122,123,125.ccls. and copper)) and ((complexing adj agent) or EDTA or "na.sub.2 edta"))  25 ((205/118,122,123,125.ccls. and (barrier or damascene)) and ((complexing adj agent) or EDTA or "na.sub.2 edta")	USPAT: US-PGPUB: EPO: JPO: DERWENT   US-PGPUB: EPO: JPO: DERWENT   USPAT: US-PGPUB: EPO: JPO: DERWENT   US-PGPUB: EPO: JPO:

		/00F (440 400 400 40F	116847	T 0000 100 100
<b>-</b>	24	(205/118,122,123,125.ccls. and copper and barrier)	USPAT;	2003/03/20
ĺ		and ((complexing adj agent) or EDTA or "na.sub.2edta"	US-PGPUB;	14:52
		or "na.sub.2 edta")	EPO; JPO;	
			DERWENT	
-	19	((205/118,122,123,125.ccls. and copper and barrier)	USPAT;	2003/03/20
		and ((complexing adj agent) or EDTA or "na.sub.2edta"	US-PGPUB;	14:56
		or "na.sub.2 edta")) and (basic or alkaline)	EPO; JPO;	
			DERWENT	
-	21	((205/118,122,123,125.ccls. and copper and barrier)	USPAT;	2003/03/20
		and ((complexing adjagent) or EDTA or "na.sub.2edta"	US-PGPUB;	14:56
		or "na.sub.2 edta")) and (basic or alkaline or ph)	EPO; JPO;	
		γ, επε (2 επε επε επε επε επε επε επε επε επε επ	DERWENT	
_	3	(((205/118,122,123,125.ccls. and copper and barrier)	USPAT;	2003/03/20
		and ((complexing adj agent) or EDTA or "na.sub.2edta"	US-PGPUB;	15:10
		or "na.sub.2 edta")) and (basic or alkaline or ph)) and	EPO; JPO;	. 15.10
		• • •	i e	
		(lithograph\$)	DERWENT	
_	64	205/118,122,123,125.ccls. and damascene	USPAT;	2003/03/20
			US-PGPUB;	15:10
			EPO; JPO;	
			DERWENT	
-	58	(205/118,122,123,125.ccls. and damascene) and copper	USPAT;	2003/03/20
		and barrier	US-PGPUB;	15:11
			EPO; JPO;	
			DERWENT	
-	56	((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	15:12
		insulating or dielectric)	EPO; JPO;	
			DERWENT	
-	4	(((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	15:13
		insulating or dielectric)) and (lithograph\$)	EPO; JPO;	
		<i>"</i> ( 3 1 1)	DERWENT	
_	56	(((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	15:13
	ļ	insulating or dielectric)) and (via or line or wire or	EPO; JPO;	13.13
		wiring)	DERWENT	
_	26	((((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
_	20	•	-	
		copper and barrier) and (insulative or insulation or	US-PGPUB;	15:14
		insulating or dielectric)) and (via or line or wire or	EPO; JPO;	
		wiring)) and (ph or basic or alkaline)	DERWENT	0000 (00 (05
-	20	(((((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	15:54
ļ		insulating or dielectric)) and (via or line or wire or	EPO; JPO;	
		wiring)) and (ph or basic or alkaline)) and (current adj	DERWENT	
		density)		
-	18	((((((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	15:56
		insulating or dielectric)) and (via or line or wire or	EPO; JPO;	
		wiring)) and (ph or basic or alkaline)) and (current adj	DERWENT	
		density)) and seed		

	13	/////205/110 122 122 125	LICDAT	2002/02/20
-	13	((((((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	16:08
		insulating or dielectric)) and (via or line or wire or	EPO; JPO;	
		wiring)) and (ph or basic or alkaline)) and (current adj	DERWENT	
		density)) and ((electroplating or plating) with barrier)		
-	2	((((((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and (insulative or insulation or	US-PGPUB;	16:10
		insulating or dielectric)) and (via or line or wire or	EPO; JPO;	
		wiring)) and (ph or basic or alkaline)) and (current adj	DERWENT	
		density)) and ((electroplating or plating) near2		
		barrier)		
-	50	((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) and seed	US-PGPUB;	16:11
			EPO; JPO;	
	]		DERWENT	
-	8	((205/118,122,123,125.ccls. and damascene) and	USPAT;	2003/03/20
		copper and barrier) not (((205/118,122,123,125.ccls.	US-PGPUB;	16:30
		and damascene) and copper and barrier) and seed)	EPO; JPO;	
			DERWENT	
-	24	(205/118,122,123,125.ccls. and damascene) and (pulse	USPAT;	2003/03/20
		or pulsed)	US-PGPUB;	16:35
			EPO; JPO;	
			DERWENT	
-	23	((205/118,122,123,125.ccls. and damascene) and (pulse	USPAT;	2003/03/20
	i	or pulsed)) and (current adj density)	US-PGPUB;	16:38
			EPO; JPO;	
			DERWENT	
-	2	(205/118,122,123,125.ccls. and damascene) and (high	USPAT;	2003/03/20
		adj.current adj density) and (low adj current adj	US-PGPUB;	16:38
		density)	EPO; JPO;	
			DERWENT	
-	20	((((205/118,122,123,125.ccls. and (barrier or	USPAT;	2003/03/20
		damascene)) and (205/118,122,123,125.ccls. and	US-PGPUB;	16:44
		copper)) and (current adj density)) and ((complexing	EPO; JPO;	
		adj agent) or EDTA or "na.sub.2edta" or "na.sub.2	DERWENT	
		edta")) and (ph or alkaline or basic)		
-	1	1999wo-US06306.ap,prai.	USPAT;	2003/03/20
:			US-PGPUB;	16:45
			EPO; JPO;	
			DERWENT	
-	1	1999-590983.NRAN.	DERWENT	2003/03/20
				16:56
-	12	(US-6440289-\$ or US-6428673-\$ or US-6261433-\$	USPAT;	2003/03/21 11:17
		or US-6197181-\$ or US-5162295-\$ or US-5151168-\$	US-PGPUB;	
		or US-6176995-\$).did. or (US-20020090484-\$ or	EPO	
		US-20020008036-\$ or US-20010042689-\$ or		
		US-20020076572-\$).did. or (WO-9947731-\$ or		
		US-6277263-\$).did.		

-	4	((US-6440289-\$ or US-6428673-\$ or	USPAT;	2003/03/21 11:17
		US-6261433-\$ or US-6197181-\$ or US-5162295-\$	US-PGPUB;	
		or US-5151168-\$ or US-6176995-\$).did. or	EPO; JPO;	
		(US-20020090484-\$ or US-20020008036-\$ or	DERWENT	
		US-20010042689-\$ or US-20020076572-\$).did. or		
		(WO-9947731-\$ or US-6277263-\$).did.) and (aspect		
		adj ratio)		